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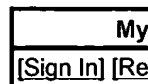
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A non-ATP-competitive inhibitor of BCR-ABL overrides imatinib resistance.

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Proc Natl Acad Sci U S A. 2005 Apr 12;102(15):5635.

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Reduction of expression of the multidrug resistance protein (MRP)1 in glioma cells by antisense phosphorothioate oligonucleotides.

J Med Invest. 2004 Aug;51(3-4):194-201.

PMID: 15460906 [PubMed - indexed for MEDLINE]

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Tumor intracellular redox status and drug resistance--serendipity or a causal relationship?

Curr Pharm Des. 2004;10(16):1969-77. Review.

PMID: 15180532 [PubMed - indexed for MEDLINE]

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The molecular targets of antitumor 2'-deoxycytidine analogues.

Curr Drug Targets. 2003 May;4(4):305-13. Review.

PMID: 12699351 [PubMed - indexed for MEDLINE]

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Light-induced resistance of the keratin network to the filament-disrupting tyrosine phosphatase inhibitor orthovanadate.

J Invest Dermatol. 2003 Feb;120(2):198-203.

PMID: 12542522 [PubMed - indexed for MEDLINE]

7: [Lu X, Gong S, Monks A, Zaharevitz D, Moscow JA.](#)

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Correlation of nucleoside and nucleobase transporter gene expression with antimetabolite drug cytotoxicity.

J Exp Ther Oncol. 2002 Jul-Aug;2(4):200-12.
PMID: 12416024 [PubMed - indexed for MEDLINE]

8: [Suswam E, Kyle D, Lang-Unnasch N.](#)

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Plasmodium falciparum: the effects of atovaquone resistance on respiration.

Exp Parasitol. 2001 Aug;98(4):180-7.
PMID: 11560411 [PubMed - indexed for MEDLINE]

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Genetic basis of methicillin resistance in Staphylococcus aureus.

Cell Mol Life Sci. 1999 Nov 30;56(9-10):764-70. Review.
PMID: 11212336 [PubMed - indexed for MEDLINE]

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Problems and perils of vancomycin resistant enterococci.

Braz J Infect Dis. 2000 Feb;4(1):9-14. Review.
PMID: 10950627 [PubMed - indexed for MEDLINE]

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Characterization of an ovarian carcinoma cell line resistant to cisplatin and flavopiridol.

Clin Cancer Res. 2000 Feb;6(2):661-70.
PMID: 10690552 [PubMed - indexed for MEDLINE]

12: [Luo G, Colonno R, Krystal M.](#)

[Related Articles, Links](#)



Characterization of a hemagglutinin-specific inhibitor of influenza A virus.

Virology. 1996 Dec 1;226(1):66-76.
PMID: 8941323 [PubMed - indexed for MEDLINE]

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Starvation-induced multiresistance in Enterococcus faecalis JH2-2.

Curr Microbiol. 1996 May;32(5):264-71.
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Down-regulation of interleukin 6 receptor alpha chain in interleukin 6 transduced melanoma cells causes selective resistance to interleukin 6 but not to oncostatin M.

Cancer Res. 1995 May 15;55(10):2200-5.
PMID: 7743524 [PubMed - indexed for MEDLINE]

15: [Ward NE, Gravitt KR, O'Brian CA.](#)

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Irreversible inactivation of protein kinase C by a peptide-substrate analog.

J Biol Chem. 1995 Apr 7;270(14):8056-60.
PMID: 7713907 [PubMed - indexed for MEDLINE]


16: [Dye D, Croize J, Brambilla C.](#)

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[Mechanism of antibiotic resistance in bacteria responsible for respiratory infections]

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PMID: 8560072 [PubMed - indexed for MEDLINE]


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Growth inhibition of hormone-responsive and -resistant human breast cancer cells in culture by N1, N12-bis(ethyl)spermine.

Cancer Res. 1993 May 1;53(9):2071-5.

PMID: 8481909 [PubMed - indexed for MEDLINE]


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Phase II trial of doxorubicin and trifluoperazine in metastatic breast cancer.

Invest New Drugs. 1993 Feb;11(1):75-9.

PMID: 8349440 [PubMed - indexed for MEDLINE]

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Cross-resistance of an amsacrine-resistant human leukemia line to topoisomerase II reactive DNA intercalating agents. Evidence for two topoisomerase II directed drug actions.

Biochemistry. 1991 Apr 23;30(16):4048-55.

PMID: 1850298 [PubMed - indexed for MEDLINE]

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Hypomethylation and reactivation of the asparagine synthetase gene induced by L-asparaginase and ethyl methanesulfonate.

Cancer Res. 1991 Feb 1;51(3):985-9.

PMID: 1703043 [PubMed - indexed for MEDLINE]

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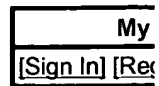
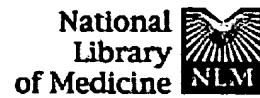
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☐ 21: Reynolds PE.

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Structure, biochemistry and mechanism of action of glycopeptide antibiotics.

Eur J Clin Microbiol Infect Dis. 1989 Nov;8(11):943-50. Review.

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☐ 22: Singh RK, Ruh MF, Butler WB, Ruh TS.

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Acceptor sites on chromatin for receptor bound by estrogen versus antiestrogen in antiestrogen-sensitive and -resistant MCF-7 cells.

Endocrinology. 1986 Mar;118(3):1087-95.

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☐ 23: Verdier F, Le Bras J, Clavier F, Hatin I, Blayo MC.

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Chloroquine uptake by Plasmodium falciparum-infected human erythrocytes during in vitro culture and its relationship to chloroquine resistance.

Antimicrob Agents Chemother. 1985 Apr;27(4):561-4.

PMID: 3890728 [PubMed - indexed for MEDLINE]

☐ 24: Lacey RW.

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Evidence for two mechanisms of plasmid transfer in mixed cultures of Staphylococcus aureus.

J Gen Microbiol. 1980 Aug;119(2):423-35.

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☐ 25: Davis JM, Chan AK, Thompson EA Jr.

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Nonmutational alteration in glucocorticoid sensitivity of lymphosarcoma P1798.

J Natl Cancer Inst. 1980 Jan;64(1):55-62.

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Polymyxin resistance in Agrobacterium tumefaciens and its effect on crown gall tumor induction.

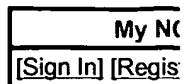
Can J Microbiol. 1979 Feb;25(2):185-91.

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Antibiotic resistance caused by gram-negative multidrug efflux pumps.

Nikaido H.

Department of Molecular and Cell Biology, University of California, Berkeley 94720-3206, USA.

Minimum inhibitory concentrations (MICs) of most lipophilic agents tend to be much higher against gram-negative than gram-positive bacteria. Multidrug efflux pumps that traverse both the inner and outer membranes make a major contribution to this intrinsic resistance of gram-negative bacteria. Such a pump is composed of at least three components, is energized by the proton-motive force, and can pump out not only an extremely wide variety of detergents, dyes, and antibiotics, but also those compounds, such as beta-lactams, that do not easily cross the cytoplasmic membrane. Increased expression of these pumps can raise the MICs to an impressive level. For example, 80% of carbenicillin-resistant clinical isolates of *Pseudomonas aeruginosa* from the British Isles owed their resistance to overexpression of an efflux pump and had carbenicillin MICs that were up to 2,000 times higher than that of the pump-deficient mutant strain.

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[Mechanism of antibiotic resistance in bacteria responsible for respiratory infections]

[Article in French]

Dye D, Croize J, Brambilla C.

Laboratoire de Bacteriologie, CHU de Grenoble.

Bacterial resistance is both a frequent phenomena and in perpetual evolution; currently it effects all antibiotics. The acquisition of resistance is a result of chromosomal mutations or is a contribution of genetic material either as plasmids or transposons. The principle mechanisms which can be isolated or associated can be grouped together under changes of bacterial permeability which alters the target of the anti-infectious agents; or the synthesis of enzymes which inhibit the activity of the antibiotic. Some micro-organisms such as Staphylococcal aureus, Streptococcus pneumoniae, Haemophilus influenzae, Pseudomonas aeruginosa, and certain enterobacteria have developed resistance to varying degrees against the antibiotics initially or more recently introduced which pose, in some cases, very real therapeutic problems. The prescribing doctor should recognise the principle bacterial phenotypes which are resistant, as well as the rules of association of the different antibiotics in order to institute an effective anti-infectious regime, which allows the cure of the patient and limits any introduction of resistance or the selection of resistant mutants.

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